



## PATENT ABSTRACTS OF JAPAN

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KURATA NORIAKI**(54) **INK JET RECORDING SHEET AND RECORDING METHOD**

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(57) Abstract:

**PURPOSE:** To provide a recording sheet excellent in ink fixing properties immediately after printing, short in drying and fixing time and forming an image excellent in resolving power and uniformity by adding gelatin and a cationic water-soluble polymer to a base material or the ink receiving layer provided on the base material.

**CONSTITUTION:** An ink jet recording sheet is obtained by adding gelatin and a cationic water-soluble polymer to a base material or the ink receiving layer on the base material. The cationic water-soluble polymer is a polymer having a quaternary ammonium group represented by formulae I, II, III. In the formula I, R<sup>1</sup> is a hydrogen atom or a methyl group, Q is an oxygen atom or -NH-, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are a methyl group or an ethyl group, X<sup>-</sup> is a halogen ion and n is 2 or 3. In the formula II, R<sup>5</sup>, R<sup>6</sup> and R<sup>7</sup> are a methyl group or an ethyl group and, in the formula III, R<sup>8</sup>, R<sup>9</sup> and R<sup>10</sup> are a methyl group or an ethyl group.

